

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY080823\
 Data File : VY014983.D
 Acq On : 08 Aug 2023 14:25
 Operator : SY/MD
 Sample : 03929-02
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 B-PP20

Quant Time: Aug 09 01:00:22 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y080723S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 08 07:44:56 2023
 Response via : Initial Calibration

Compound	R.T. QIon		Response	Conc	Units	Dev(Min)

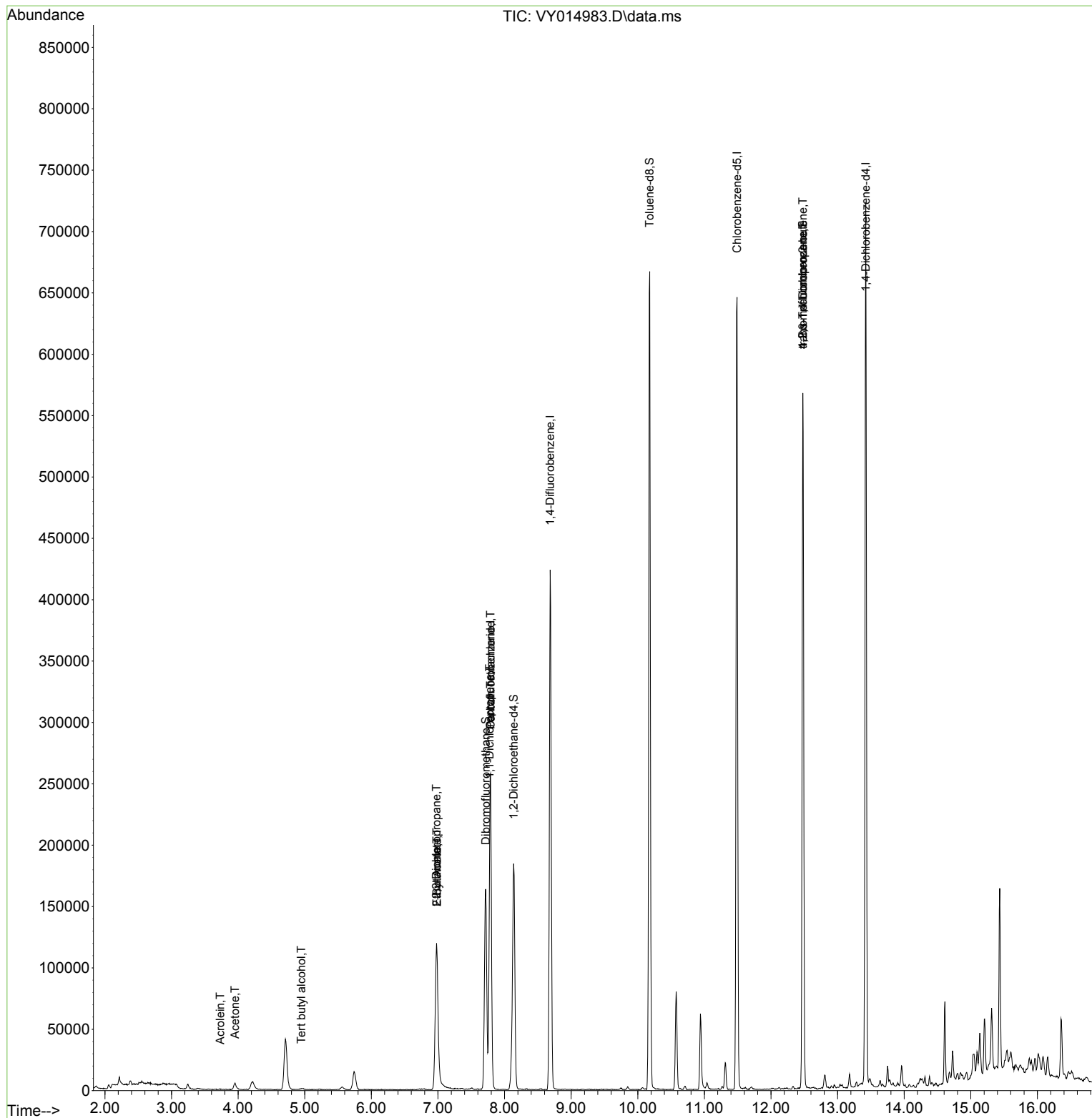
Internal Standards						
1) Pentafluorobenzene	7.789	168	202228	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	358541	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	353952	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	174986	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	137964	56.287	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 112.580%	
35) Dibromofluoromethane	7.716	113	115961	50.576	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 101.160%	
50) Toluene-d8	10.179	98	433130	49.632	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 99.260%	
62) 4-Bromofluorobenzene	12.477	95	163908	52.994	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 105.980%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.912	85	139	Below Cal	#	43
5) Bromomethane	2.656	94	332	Below Cal	#	30
11) Tert butyl alcohol	4.948	59	2181	3.687	ug/l #	97
13) Acrolein	3.729	56	380	1.888	ug/l #	56
16) Acetone	3.954	43	9106	11.914	ug/l	98
20) Methylene Chloride	4.710	84	30760	Below Cal		92
25) 2-Butanone	6.984	43	8901	8.131	ug/l #	79
26) 2,2-Dichloropropane	6.978	77	9078	2.551	ug/l #	54
31) Cyclohexane	7.783	56	4434	Below Cal	#	1
36) 1,1-Dichloropropene	7.777	75	15877	5.578	ug/l #	51
37) Ethyl Acetate	6.984	43	8901	3.939	ug/l #	67
38) Carbon Tetrachloride	7.789	117	20396	6.374	ug/l #	16
76) 1,2,3-Trichloropropane	12.477	75	88135	42.034	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	88135	92.602	ug/l #	11

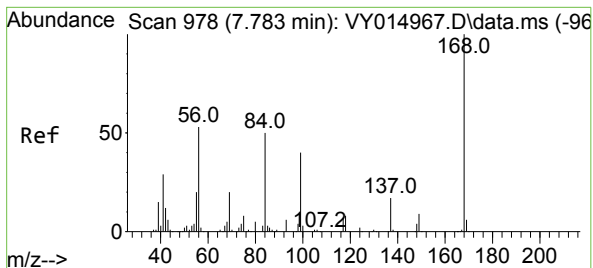
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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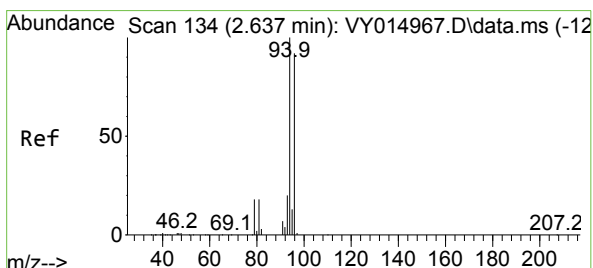
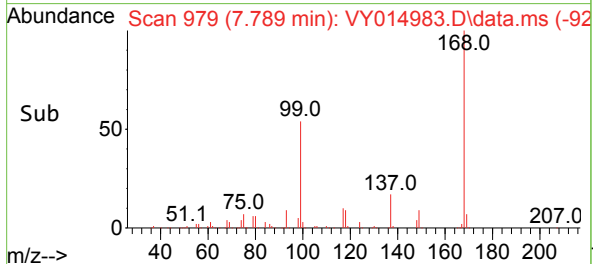
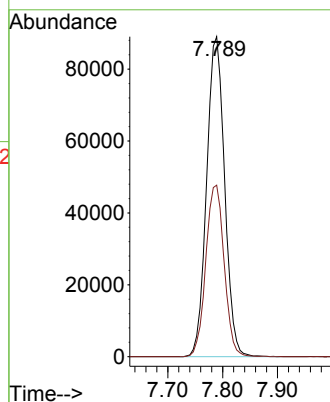
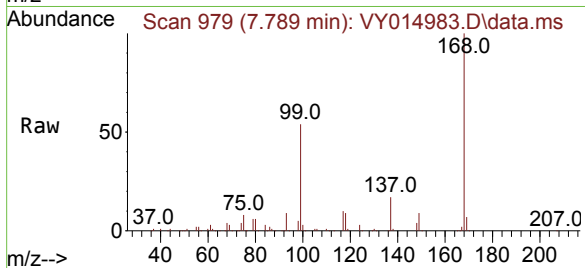




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY014983.D
Acq: 08 Aug 2023 14:25

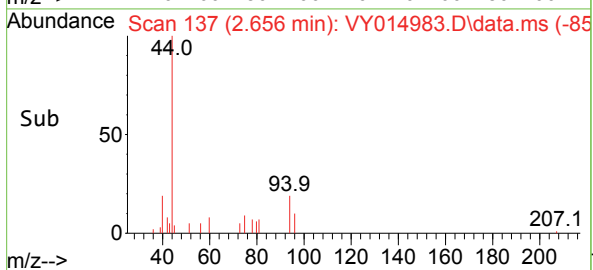
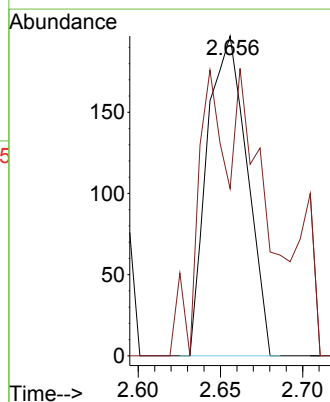
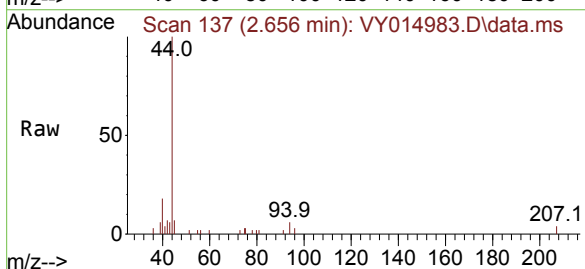
Instrument :
MSVOA_Y
ClientSampleId :
B-PP20

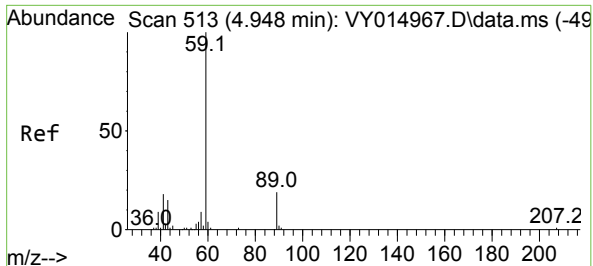
Tgt Ion:168 Resp: 202228
Ion Ratio Lower Upper
168 100
99 53.6 43.4 65.0



#5
Bromomethane
Concen: Below Cal
RT: 2.656 min Scan# 137
Delta R.T. 0.019 min
Lab File: VY014983.D
Acq: 08 Aug 2023 14:25

Tgt Ion: 94 Resp: 332
Ion Ratio Lower Upper
94 100
96 26.4 75.8 113.6#





#11

Tert butyl alcohol

Concen: 3.687 ug/l

RT: 4.948 min Scan# 513

Delta R.T. 0.000 min

Lab File: VY014983.D

Acq: 08 Aug 2023 14:25

Instrument :

MSVOA_Y

ClientSampleId :

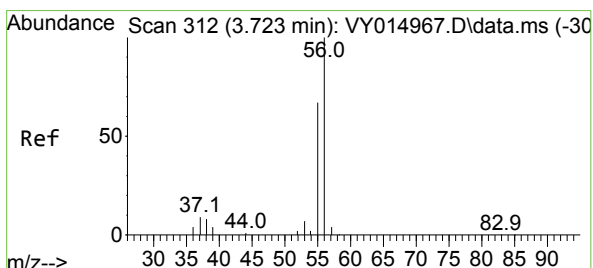
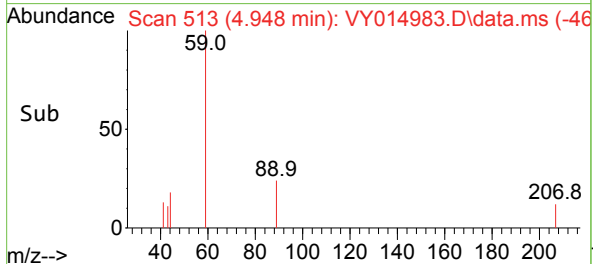
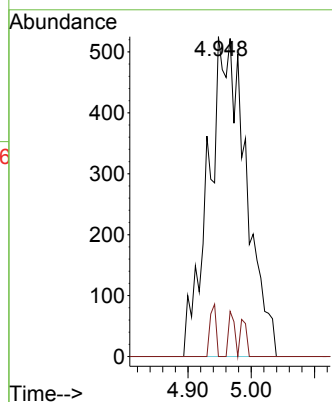
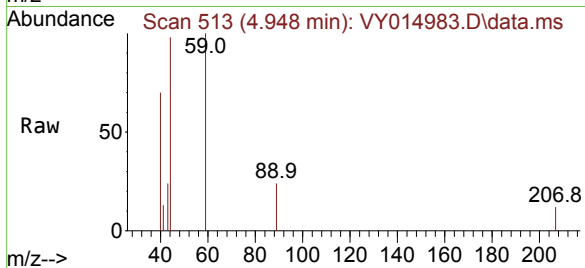
B-PP20

Tgt Ion: 59 Resp: 2181

Ion Ratio Lower Upper

59 100

57 2.6 3.0 4.4#



#13

Acrolein

Concen: 1.888 ug/l

RT: 3.729 min Scan# 313

Delta R.T. 0.006 min

Lab File: VY014983.D

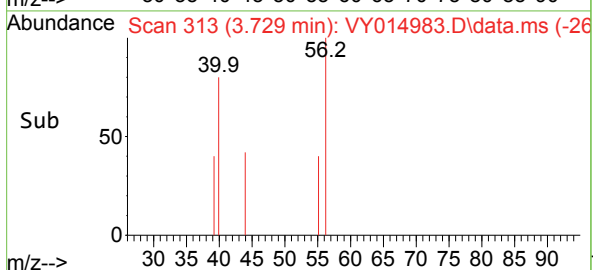
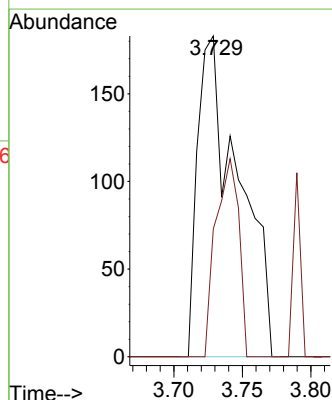
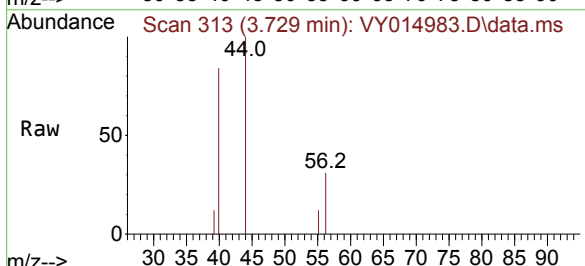
Acq: 08 Aug 2023 14:25

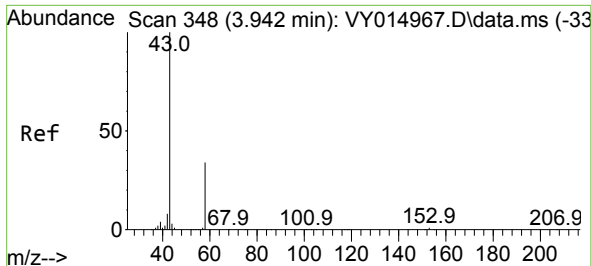
Tgt Ion: 56 Resp: 380

Ion Ratio Lower Upper

56 100

55 34.7 57.0 85.4#

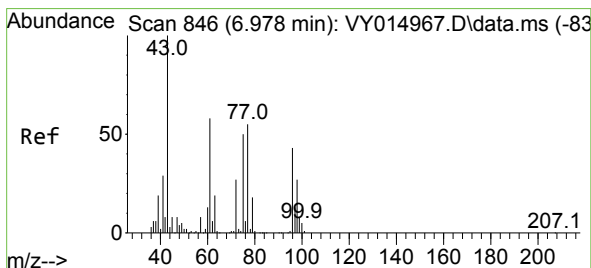
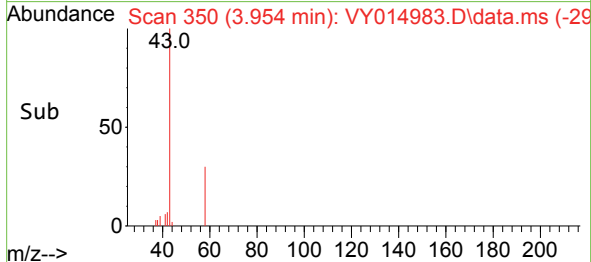
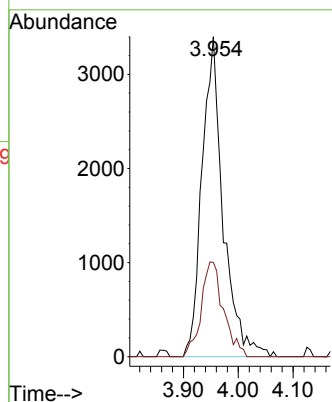
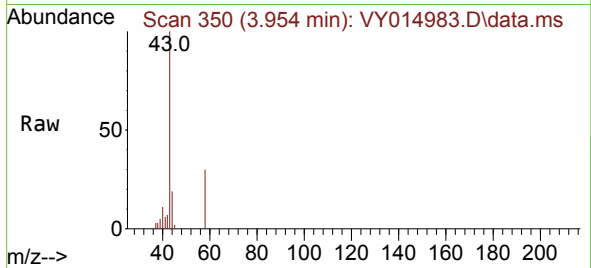




#16
Acetone
Concen: 11.914 ug/l
RT: 3.954 min Scan# 31
Delta R.T. 0.012 min
Lab File: VY014983.D
Acq: 08 Aug 2023 14:25

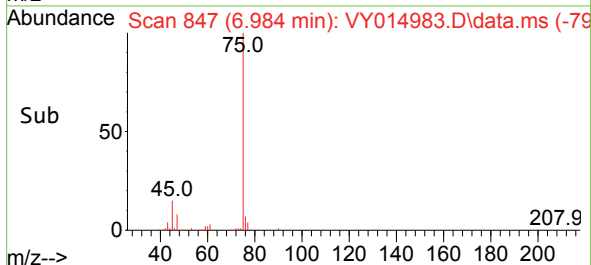
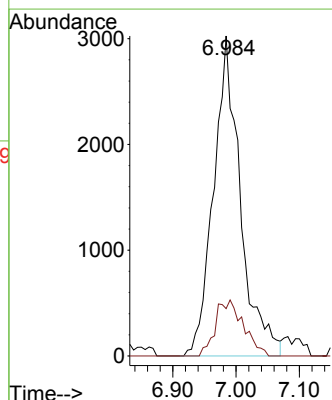
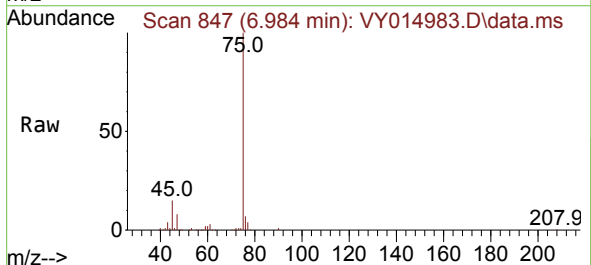
Instrument :
MSVOA_Y
ClientSampleId :
B-PP20

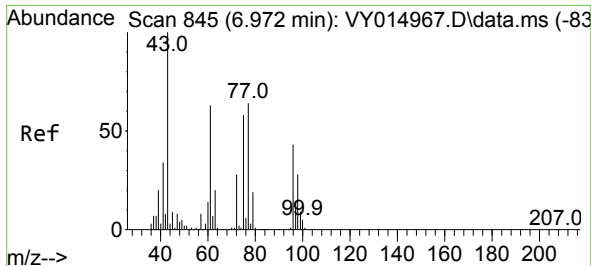
Tgt Ion: 43 Resp: 9106
Ion Ratio Lower Upper
43 100
58 29.5 22.7 34.1



#25
2-Butanone
Concen: 8.131 ug/l
RT: 6.984 min Scan# 847
Delta R.T. 0.006 min
Lab File: VY014983.D
Acq: 08 Aug 2023 14:25

Tgt Ion: 43 Resp: 8901
Ion Ratio Lower Upper
43 100
72 14.8 20.5 30.7#

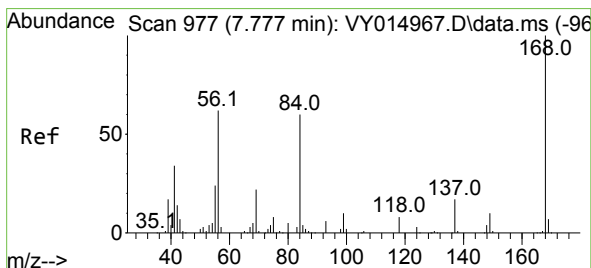
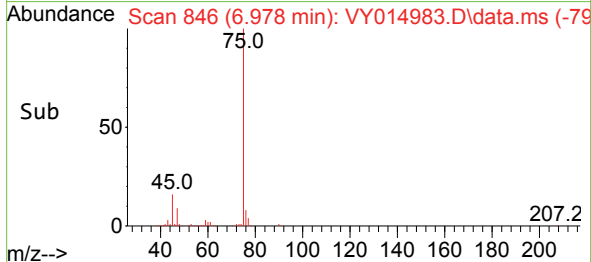
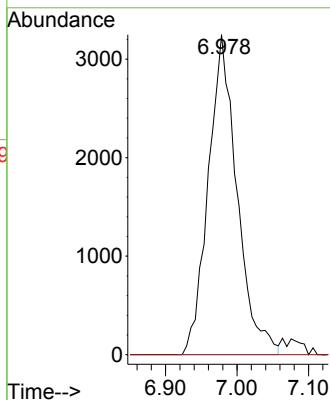
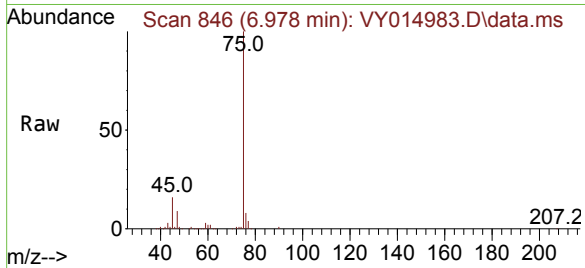




#26
2,2-Dichloropropane
Concen: 2.551 ug/l
RT: 6.978 min Scan# 845
Delta R.T. 0.006 min
Lab File: VY014983.D
Acq: 08 Aug 2023 14:25

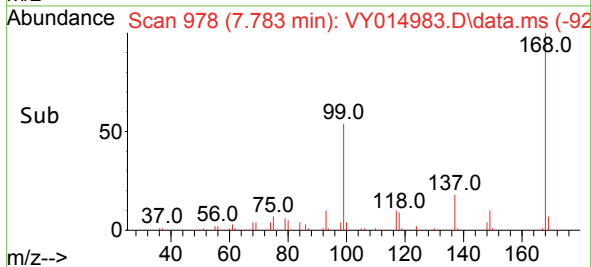
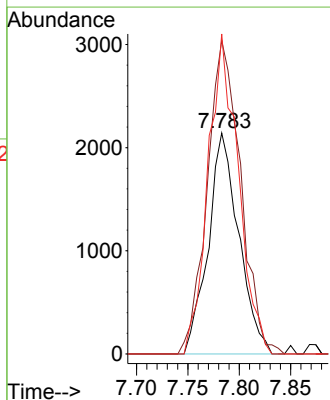
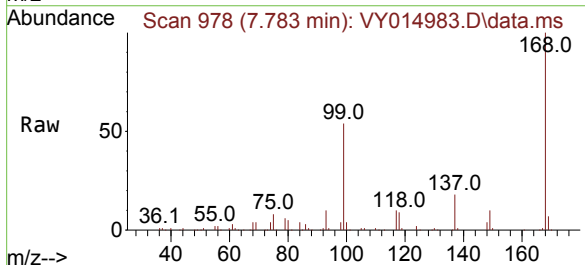
Instrument :
MSVOA_Y
ClientSampleId :
B-PP20

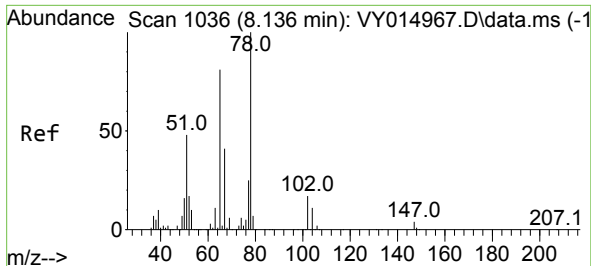
Tgt Ion: 77 Resp: 9078
Ion Ratio Lower Upper
77 100
97 0.0 10.9 32.9#



#31
Cyclohexane
Concen: Below Cal
RT: 7.783 min Scan# 978
Delta R.T. 0.006 min
Lab File: VY014983.D
Acq: 08 Aug 2023 14:25

Tgt Ion: 56 Resp: 4434
Ion Ratio Lower Upper
56 100
69 141.8 27.8 41.6#
84 144.8 66.4 99.6#





#33

1,2-Dichloroethane-d4

Concen: 56.287 ug/l

RT: 8.137 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY014983.D

Acq: 08 Aug 2023 14:25

Instrument :

MSVOA_Y

ClientSampleId :

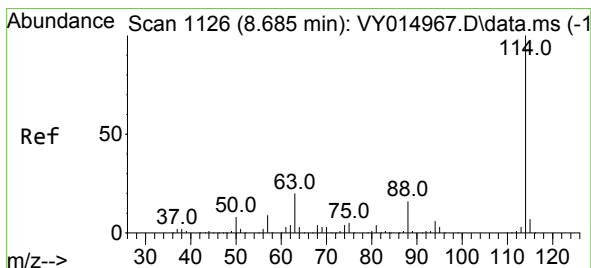
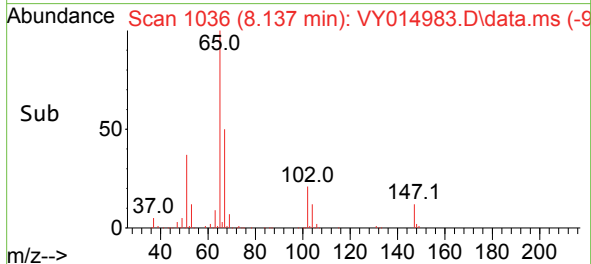
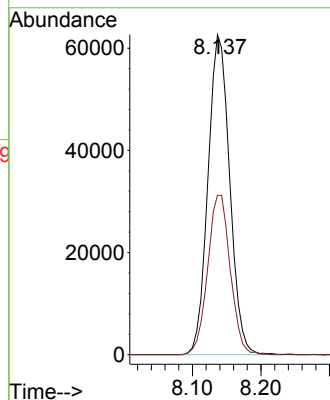
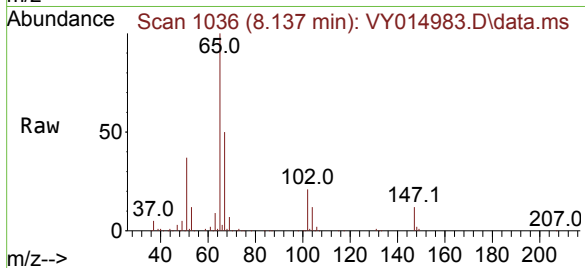
B-PP20

Tgt Ion: 65 Resp: 137964

Ion Ratio Lower Upper

65 100

67 51.8 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VY014983.D

Acq: 08 Aug 2023 14:25

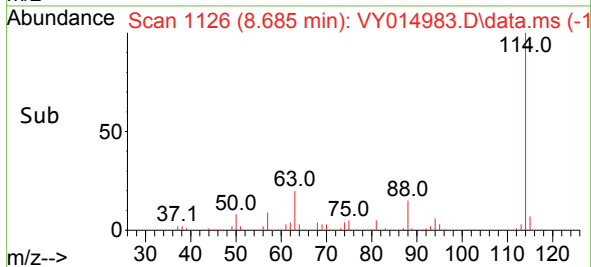
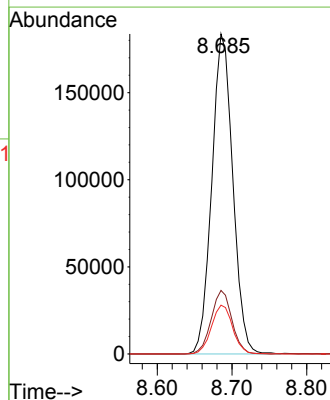
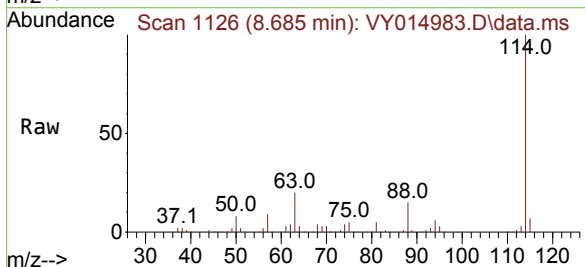
Tgt Ion: 114 Resp: 358541

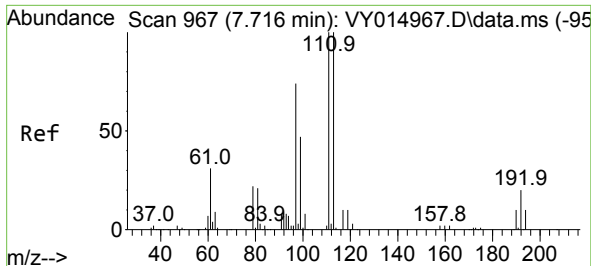
Ion Ratio Lower Upper

114 100

63 19.9 0.0 42.4

88 15.3 0.0 30.6

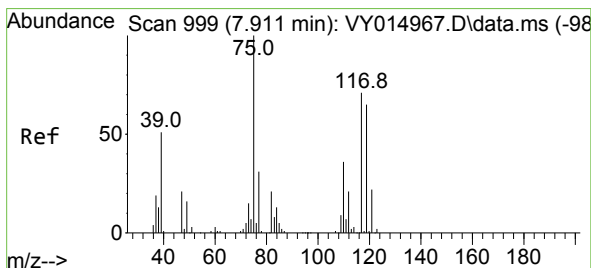
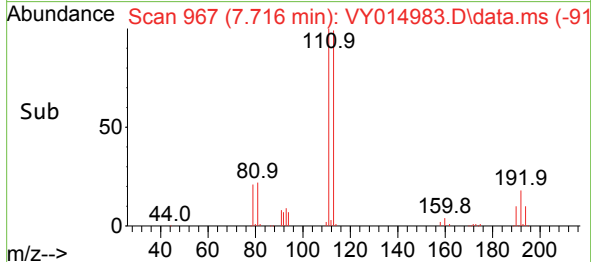
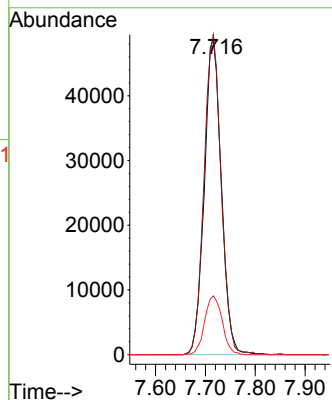
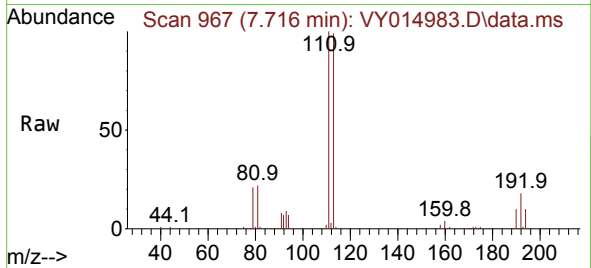




#35
Dibromofluoromethane
Concen: 50.576 ug/l
RT: 7.716 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY014983.D
Acq: 08 Aug 2023 14:25

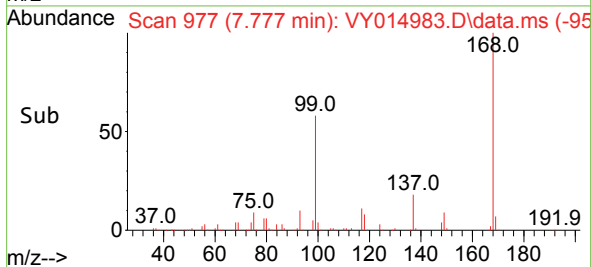
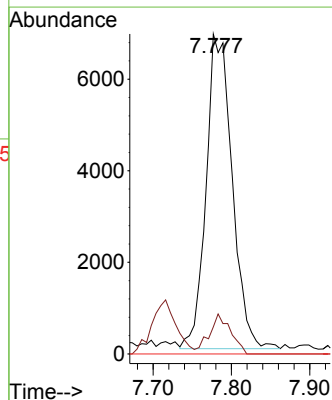
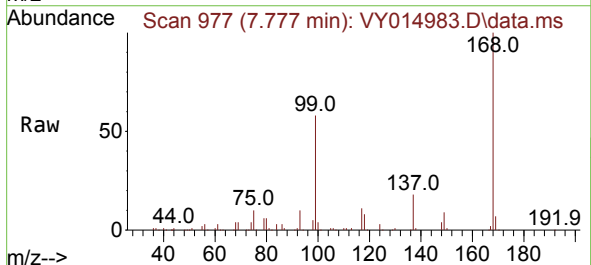
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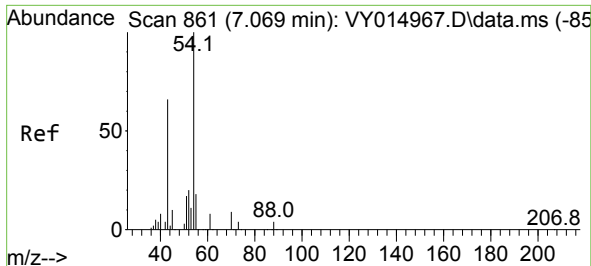
Tgt Ion:113 Resp: 115961
Ion Ratio Lower Upper
113 100
111 101.9 81.3 121.9
192 19.2 16.9 25.3



#36
1,1-Dichloropropene
Concen: 5.578 ug/l
RT: 7.777 min Scan# 977
Delta R.T. -0.134 min
Lab File: VY014983.D
Acq: 08 Aug 2023 14:25

Tgt Ion: 75 Resp: 15877
Ion Ratio Lower Upper
75 100
110 10.4 17.8 53.5#
77 0.0 24.4 36.6#

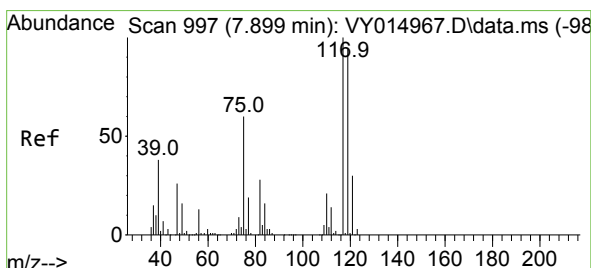
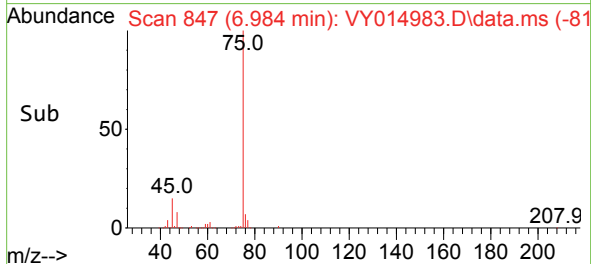
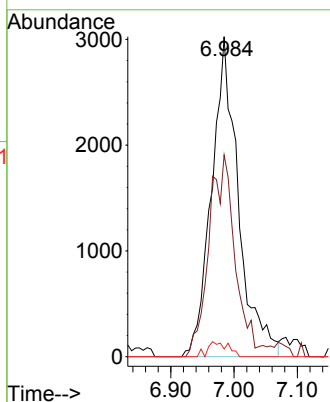
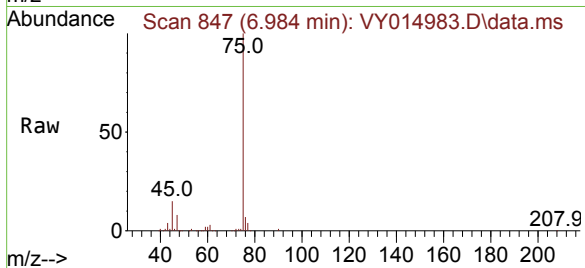




#37
Ethyl Acetate
Concen: 3.939 ug/l
RT: 6.984 min Scan# 847
Delta R.T. -0.085 min
Lab File: VY014983.D
Acq: 08 Aug 2023 14:25

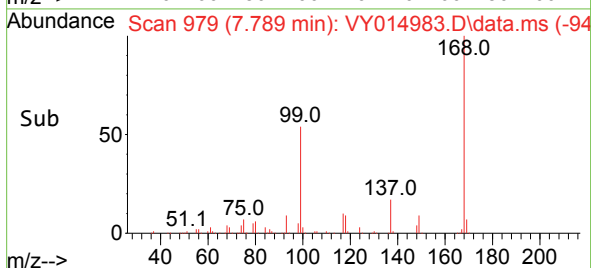
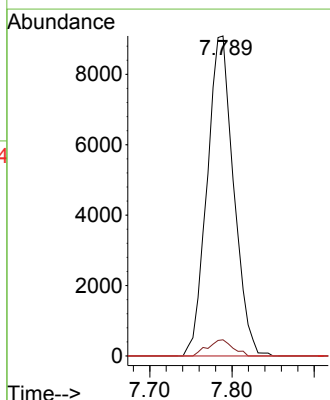
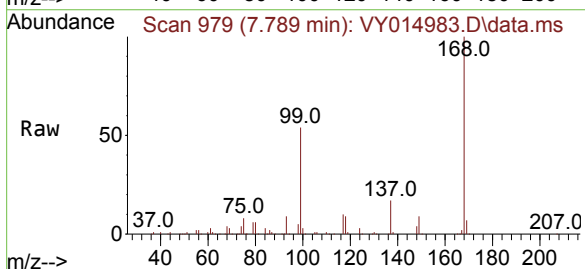
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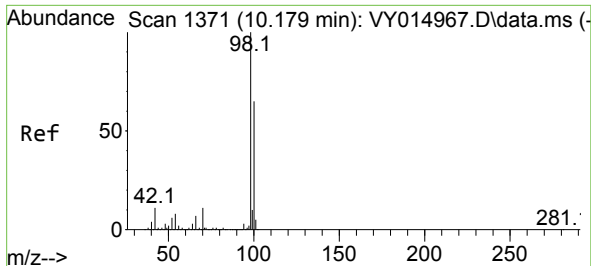
Tgt Ion: 43 Resp: 8901
Ion Ratio Lower Upper
43 100
61 30.6 10.1 15.1#
70 3.6 7.1 10.7#



#38
Carbon Tetrachloride
Concen: 6.374 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.110 min
Lab File: VY014983.D
Acq: 08 Aug 2023 14:25

Tgt Ion: 117 Resp: 20396
Ion Ratio Lower Upper
117 100
119 5.0 76.4 114.6#
121 0.0 25.8 38.6#

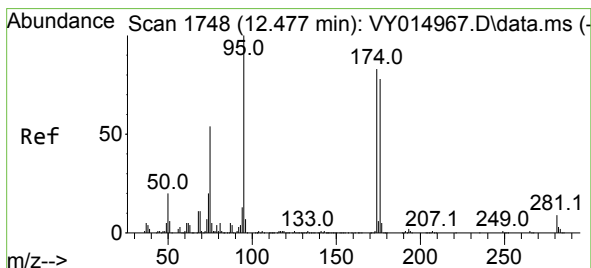
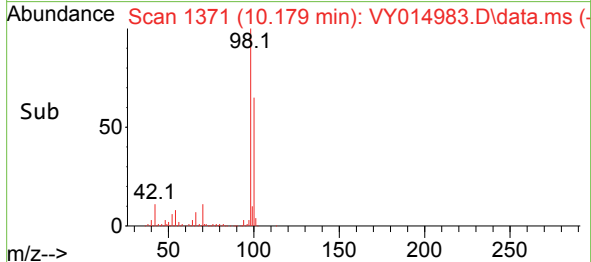
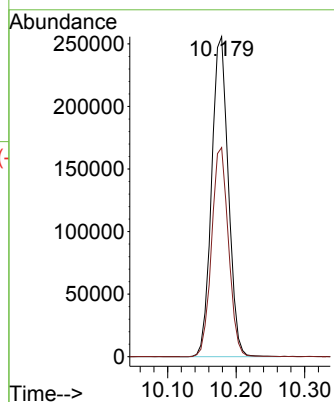
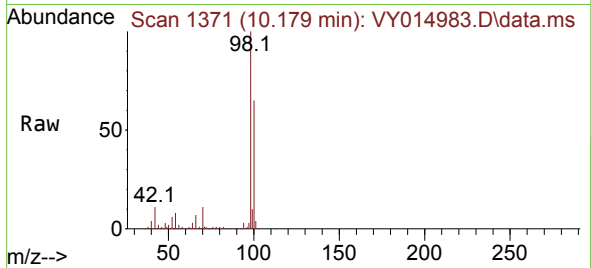




#50
Toluene-d8
Concen: 49.632 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.000 min
Lab File: VY014983.D
Acq: 08 Aug 2023 14:25

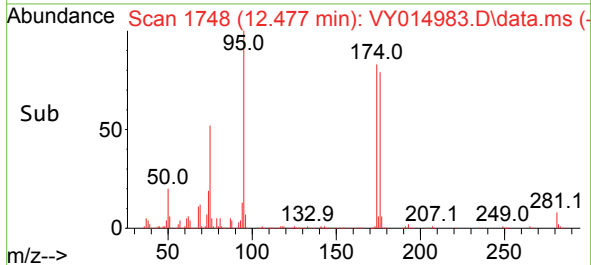
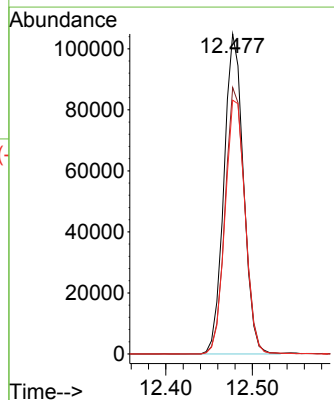
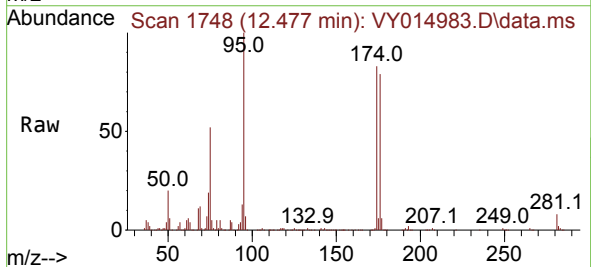
Instrument :
MSVOA_Y
ClientSampleId :
B-PP20

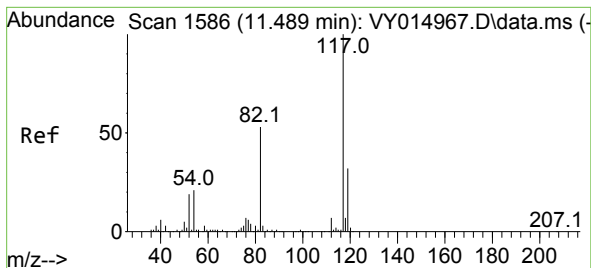
Tgt Ion: 98 Resp: 433130
Ion Ratio Lower Upper
98 100
100 66.0 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 52.994 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY014983.D
Acq: 08 Aug 2023 14:25

Tgt Ion: 95 Resp: 163908
Ion Ratio Lower Upper
95 100
174 84.1 0.0 178.2
176 81.8 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY014983.D

Acq: 08 Aug 2023 14:25

Instrument :

MSVOA_Y

ClientSampleId :

B-PP20

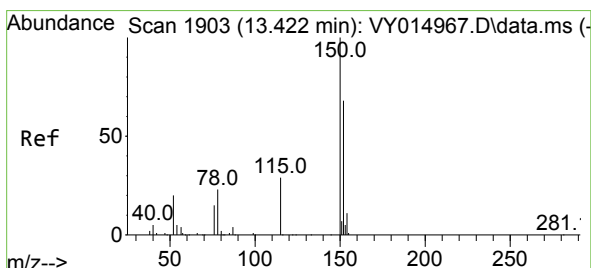
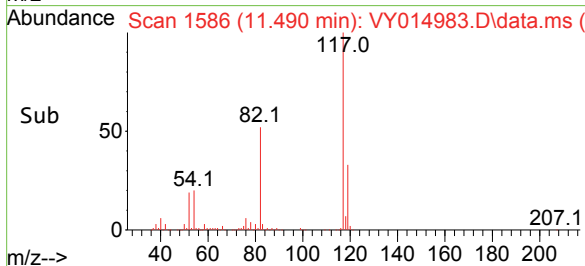
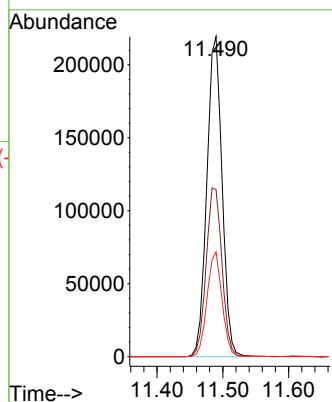
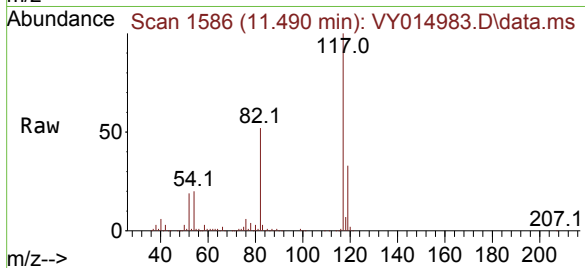
Tgt Ion:117 Resp: 353952

Ion Ratio Lower Upper

117 100

82 52.2 43.4 65.0

119 32.7 26.3 39.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. 0.000 min

Lab File: VY014983.D

Acq: 08 Aug 2023 14:25

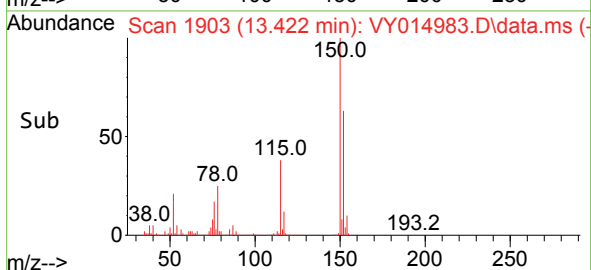
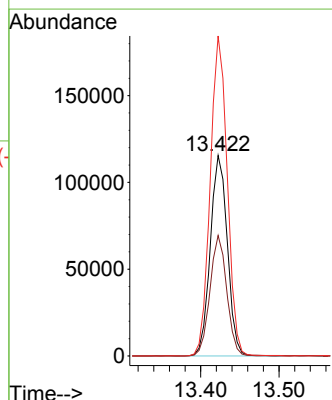
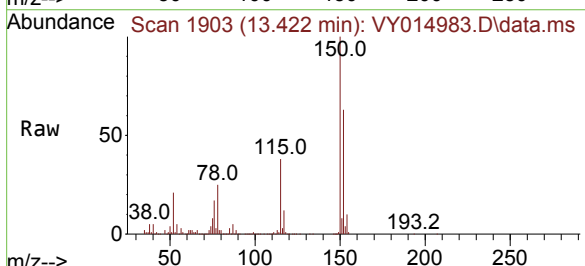
Tgt Ion:152 Resp: 174986

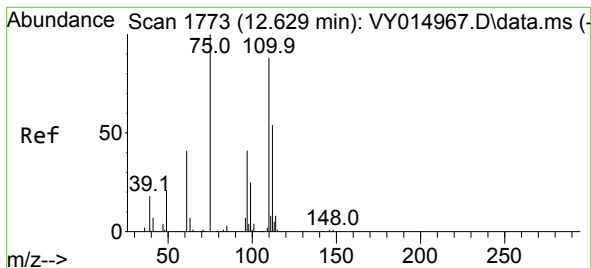
Ion Ratio Lower Upper

152 100

115 59.0 28.8 86.5

150 159.2 0.0 348.8

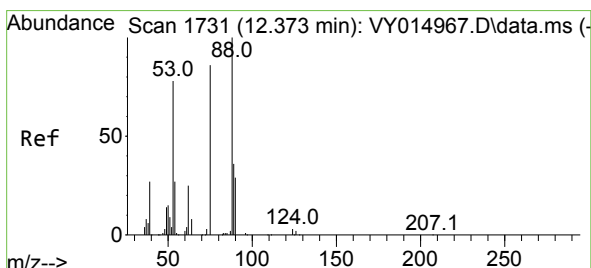
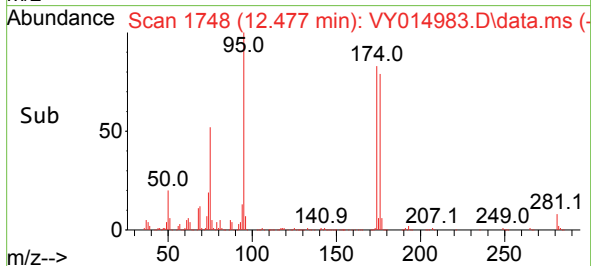
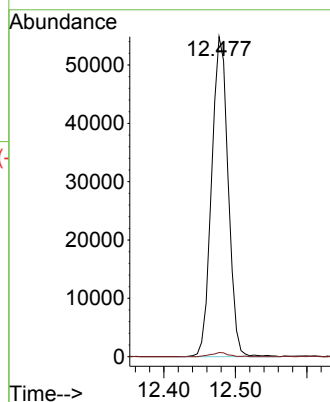
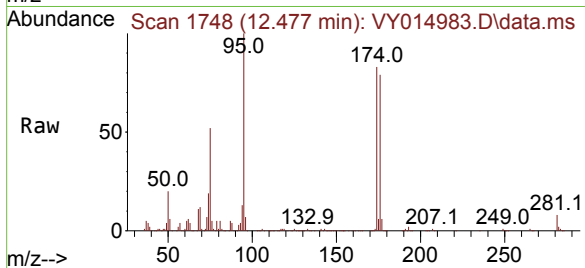




#76
1,2,3-Trichloropropane
Concen: 42.034 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.152 min
Lab File: VY014983.D
Acq: 08 Aug 2023 14:25

Instrument :
MSVOA_Y
ClientSampleId :
B-PP20

Tgt Ion: 75 Resp: 88135
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 92.602 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.104 min
Lab File: VY014983.D
Acq: 08 Aug 2023 14:25

Tgt Ion: 75 Resp: 88135
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.2 37.4 56.0#

